

POWER SUPPLY FOR AN AUTOMOTIVE VEHICLE USING DC-TO-DC CONVERTER FOR CHARGE TRANSFER

Abstract of Disclosure

An electrical system (12) is provided for an automotive vehicle (10) having a first power source (14) with a first positive terminal (16) and first negative terminal (18). A second power source (20) having a second positive terminal (22) and a second negative terminal (24) is also provided. A common electrical node N_2 is coupled to the first negative terminal and the second positive terminal. A first load (26) is coupled between the first positive terminal and the second node N_2 . A second load (28) is coupled between the common node N_2 and the second negative terminal (24). A DC-to-DC converter (80) is coupled to the first power source, the second power source and the common node.

Figures